(1)

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK: Improvements to CC Roads and Drains at Chokkanahalli Village in ward No. 05

MEASUREMENT SHEET

FIRST and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate in RS.	Amount in RS.	Remarks
Item No. 01		Earth work excavation by manual means in Ordinary Soil soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications and as per the directions of the Engineer-in-charge of the work									
			Cum								
		Vide Total executed Quantity from premeasuremet Page no. 1-4						1915.77	1910.78		
							Total	**1915.77**	**137.80**	**263992.6926**	
Item No. 2		Providing granite slabs of selected quality roughly dressed and fixed in cement mortar(1:6) including fixing curing etc and as per the directions of the Engineer-in-charge of the work,								263305=00	
Measurements taken on		24-01-2020									
		Chokkanahalli SC/ST Burial Ground Road-1									
		LHS									
0	15		Sqm	1	15.00	1.60		24.00			
15	30		Sqm	1	15.00	1.60		24.00			
30	45		Sqm	1	15.00	1.60		24.00			
45	60		Sqm	1	15.00	1.60		24.00			
60	75		Sqm	1	15.00	1.60		24.00			
75	90		Sqm	1	15.00	1.60		24.00			
90	105		Sqm	1	15.00	1.60		24.00			
105	120		Sqm	1	15.00	1.60		24.00			
120	135		Sqm	1	15.00	1.60		24.00			
135	150		Sqm	1	15.00	1.60		24.00			
150	165		Sqm	1	15.00	1.60		24.00			
165	180		Sqm	1	15.00	1.60		24.00			
180	195		Sqm	1	15.00	1.60		24.00			
195	210		Sqm	1	15.00	1.60		24.00			
210	225		Sqm	1	15.00	1.60		24.00			
225	240		Sqm	1	15.00	1.60		24.00			
240	255		Sqm	1	15.00	1.60		24.00			
255	270		Sqm	1	15.00	1.60		24.00			
270	285		Sqm	1	15.00	1.60		24.00			
285	300		Sqm	1	15.00	1.60		24.00			
300	315		Sqm	1	15.00	1.60		24.00			
315	330		Sqm	1	15.00	1.60		24.00			
330	345		Sqm	1	15.00	1.60		24.00			
345	357		Sqm	1	12.00	1.60		19.20			
359	374	357 to 359 Culvert	Sqm	1	15.00	1.60		24.00			
374	389		Sqm	1	15.00	1.60		24.00			
389	404		Sqm	1	15.00	1.60		24.00			
404	419		Sqm	1	15.00	1.60		24.00			
419	434		Sqm	1	15.00	1.60		24.00			
434	449		Sqm	1	15.00	1.60		24.00			
449	464		Sqm	1	15.00	1.60		24.00			
464	479		Sqm	1	15.00	1.60		24.00			
479	494		Sqm	1	15.00	1.60		24.00			
494	509		Sqm	1	15.00	1.60		24.00			
		RHS									
0	15		Sqm	1	15.00	1.35		20.25			

955.45

Assistant Executive Engineer, R.R. Nagar, Sub-division, KRIDL, BBMP, Bangalore
Contractor

SUDHARAPRASAD CONSULTANTS BANGALORE
RMC

Assistant Engineer

Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK: Improvements to CC Roads and Drains at Chokkanahalli Village in ward No. 05

MEASUREMENT SHEET

FIRST and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate in RS.	Amount in RS.	Remarks
15	30		Sqm	1	15.00	1.35		20.25			
30	45		Sqm	1	15.00	1.35		20.25			
45	60		Sqm	1	15.00	1.35		20.25			
60	75		Sqm	1	15.00	1.35		20.25			
75	90		Sqm	1	15.00	1.35		20.25			
90	105		Sqm	1	15.00	1.35		20.25			
105	120		Sqm	1	15.00	1.35		20.25			
120	135		Sqm	1	15.00	1.35		20.25			
135	150		Sqm	1	15.00	1.35		20.25			
150	165		Sqm	1	15.00	1.35		20.25			
165	180		Sqm	1	15.00	1.35		20.25			
180	195		Sqm	1	15.00	1.35		20.25			
195	210		Sqm	1	15.00	1.35		20.25			
210	225		Sqm	1	15.00	1.35		20.25			
225	240		Sqm	1	15.00	1.35		20.25			
240	255		Sqm	1	15.00	1.35		20.25			
255	270		Sqm	1	15.00	1.35		20.25			
270	285		Sqm	1	15.00	1.35		20.25			
285	300		Sqm	1	15.00	1.35		20.25			
300	315		Sqm	1	15.00	1.35		20.25			
315	330		Sqm	1	15.00	1.35		20.25			
330	345		Sqm	1	15.00	1.35		20.25			
345	357		Sqm	1	12.00	1.35		16.20			
359	374	357 to 359 Culvert	Sqm	1	15.00	1.35		20.25			
374	389		Sqm	1	15.00	1.35		20.25			
389	404		Sqm	1	15.00	1.35		20.25			
404	419		Sqm	1	15.00	1.35		20.25			
419	434		Sqm	1	15.00	1.35		20.25			
434	449		Sqm	1	15.00	1.35		20.25			
449	464		Sqm	1	15.00	1.35		20.25			
464	479		Sqm	1	15.00	1.35		20.25			
479	494		Sqm	1	15.00	1.35		20.25			
494	509		Sqm	1	15.00	1.35		20.25			
509	523		Sqm	1	14.00	1.35		18.90			
							Total	1514.55			
							Quantity Limited To	1485.00	742.00	1101870	
Item No. 3		Construction of Rolled Cement Concrete mix 1:4:8 OPC cement @180kgs, with 25mm and down size graded granite metal coarse aggregate at 0.85cum and fine aggregates @0.57cum base course with coarse and fine aggregate conforming to IS:383, aggregate cement ratio 12:1 and minimum cement content of 180kg/ cum, aggregate gradation to be as per Table 600-4 after blending, mixing in batching plant at optimum moisture content, transporting to site, laying with a paver with electronic sensor, compacting with 8-10 tonnes smooth wheeled vibratory roller to achieve, the designed flexural strength, finishing and curing complete as per specifications and as per the directions of the Engineer-in-charge of the										
Measurements taken on		24-01-2020									
			Cum								
		Vide Total executed Quantity from premeasuremet Page no. 5-6						58.93			
							Quantity Limited To	53.43			
							Total	53.43	3606.12	192674.9916	

Contractor

PUDUPRAPRASAD CONSULTANTS BANGALORE PMC

Assistant Engineer

Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK: Improvements to CC Roads and Drains at Chokkanahalli Village in ward No. 05

MEASUREMENT SHEET

FIRST and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate in RS.	Amount in RS.	Remarks
Item No. 4		Providing and constructing granite / trap / basalt Size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. and as per the directions of the Engineer-in-charge of the work									
Measurements taken on		24-01-2020									
		For Culverts	Cum	2	6.00	0.60	0.50	3.60			
			Cum	2	5.00	0.60	0.50	3.00			
			Cum	2	5.10	0.60	0.50	3.06			
			Cum	2	3.70	0.60	0.50	2.22			
			Cum	2	3.70	0.60	0.50	2.22			
		Chokkanahalli SC/ST Burial Ground Road-1	Cum	2	7.20	0.60	0.50	4.32			
			Cum	2	7.20	0.60	0.50	4.32			
							Total	**22.74**			
							Quantity Limited To	**22.32**	**4871.76**	108737.6832	
Item No. 5		Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications and as per the directions of the Engineer-in-charge of the work									
Measurements taken on		24-01-2020									
		For Culverts	Cum	2	6.00	0.50	0.45	2.70			
			Cum	2	5.00	0.50	0.45	2.25			
			Cum	2	5.10	0.50	0.45	2.30			
			Cum	2	3.70	0.50	0.45	1.67			
			Cum	2	3.70	0.50	0.45	1.67			
		Chokkanahalli SC/ST Burial Ground Road-1	Cum	2	7.20	0.50	0.45	3.24			
			Cum	2	7.20	0.50	0.45	3.24			
							Total	**17.06**			
							Quantity Limited To	**16.74**	**5305.30**	88810.722	
Item No. 6		Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1 m in depth including cost of all materials, labour complete as per specifications. and as per the directions of the Engineer-in-charge of the work									
			Sqm								
		Vide Total executed Quantity from premeasuremet Page no. 7-8						465.52			
							Quantity Limited To	414.79			
							Total	**414.79**	**309.52**	128385.8008	
Item No. 7		Providing and laying in position plain cement concrete of mix 1:3:6 withOPC cement @ 220kgs, with 20mm and down size graded granite metal coarse aggregates @0.84cum and fine aggregates @0.56cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. and as per the directions of the Engineer-in-charge of the work									
			Cum								
		Vide Total executed Quantity from premeasuremet Page no. 9-10						51.83			
							Total	**51.83**	**5627.54**	291676.8051	

Assistant Executive Engineer
R.R. Nagar Sub-division,
KRIDL, BBMP, Bangalore

Contractor

RMC

Assistant Engineer

Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK: Improvements to CC Roads and Drains at Chokkanahalli Village in ward No. 05

MEASUREMENT SHEET

FIRST and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate in RS.	Amount in RS.	Remarks
Item No. 8		Providing FLush pointing to coursed stone masonry with cement mortar 1:3, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. and as per the directions of the Engineer-in-charge of the work									
Measurements taken on		24-01-2020									
		For Culverts	Sqm	2	6.00		0.50	6.00			
			Sqm	2	5.00		0.50	5.00			
			Sqm	2	5.10		0.50	5.10			
			Sqm	2	3.70		0.50	3.70			
			Sqm	2	3.70		0.50	3.70			
		Chokkanahalli SC/ST Burial Ground Road-1	Sqm	2	7.20		0.50	7.20			
			Sqm	2	7.20		0.50	7.20			
							Total	**37.90**			
							Quantity Limited To	**37.20**	**223.66**	**8320.00**	
Item No. 9		Providing and laying in position plain cement concrete of mix M20 withOPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregates @0.459cum with superplastesisre @ 3lts conforming to IS9103-1999Reffirmed machine mixed exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, walls(any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc, including cost of all materials, labour HOM of machinery, curing, complete as per specifications. and as per the directions of the Engineer-in-charge of the work									
Measurements taken on		24-01-2020									
		Rcc Drain									
		Chokkanahalli Main									
		LHS									
0	15		Cum	1	15.00	1.20	0.15	2.70			
15	30		Cum	1	15.00	1.20	0.15	2.70			
30	45		Cum	1	15.00	1.20	0.15	2.70			
45	60		Cum	1	15.00	1.20	0.15	2.70			
60	69.3		Cum	1	9.30	1.20	0.15	1.67			
		RHS									
0	15		Cum	1	15.00	0.75	0.15	1.69			
15	30		Cum	1	15.00	0.75	0.15	1.69			
30	45		Cum	1	15.00	0.75	0.15	1.69			
45	60		Cum	1	15.00	0.75	0.15	1.69			
60	69.3		Cum	1	9.30	0.75	0.15	1.05			
		Chokkanahalli Main Road									
		LHS									
0	19.5		Cum	1	19.50	0.75	0.15	2.19			
		Chokkanahalli Main									
		LHS									
0	15		Cum	1	15.00	0.75	0.15	1.69			
15	30		Cum	1	15.00	0.75	0.15	1.69			
30	45		Cum	1	15.00	0.75	0.15	1.69			
45	60		Cum	1	15.00	0.75	0.15	1.69			
60	70		Cum	1	10.00	0.75	0.15	1.13			
		RHS									

30.34

RUDRAPRASAD CONSULTANTS BANGALORE

Assistant Executive Engineer
R.R. Nagar Sub-division
KRIDL, BBMP, Bangalore

Contractor PMC Assistant Engineer Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK: Improvements to CC Roads and Drains at Chokkanahalli Village in ward No. 05

MEASUREMENT SHEET

FIRST and FINAL BILL

Chainage		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Rate in	Amount in	Remarks
From	To				(m)	(m)	(m)		RS.	RS.	
0	15		Cum	1	15.00	0.75	0.15	1.69			
15	30		Cum	1	15.00	0.75	0.15	1.69			
30	45		Cum	1	15.00	0.75	0.15	1.69			
45	60		Cum	1	15.00	0.75	0.15	1.69			
60	69		Cum	1	9.00	0.75	0.15	1.01			
		Chokkanahalli Colony									
0	15		Cum	1	15.00	1.20	0.15	2.70			
15	30		Cum	1	15.00	1.20	0.15	2.70			
30	40		Cum	1	10.00	1.20	0.15	1.80			
0	17		Cum	1	17.00	0.90	0.15	2.30			
0	11.1		Cum	1	11.10	0.75	0.15	1.25			
0	12.3		Cum	1	12.30	0.75	0.15	1.38			
		For Side wall Chokkanahalli Main LHS									
0	15		Cum	2	15.00	0.15	0.60	2.70			
15	30		Cum	2	15.00	0.15	0.60	2.70			
30	45		Cum	2	15.00	0.15	0.60	2.70			
45	60		Cum	2	15.00	0.15	0.60	2.70			
60	69.3		Cum	2	9.30	0.15	0.60	1.67			
		RHS									
0	15		Cum	2	15.00	0.15	0.60	2.70			
15	30		Cum	2	15.00	0.15	0.60	2.70			
30	45		Cum	2	15.00	0.15	0.60	2.70			
45	60		Cum	2	15.00	0.15	0.60	2.70			
60	69.3		Cum	2	9.30	0.15	0.60	1.67			
		Chokkanahalli Main Road LHS									
0	19.5		Cum	2	19.50	0.15	0.60	3.51			
		Chokkanahalli Main LHS									
0	15		Cum	2	15.00	0.15	0.50	2.25			
15	30		Cum	2	15.00	0.15	0.50	2.25			
30	45		Cum	2	15.00	0.15	0.50	2.25			
45	60		Cum	2	15.00	0.15	0.50	2.25			
60	70		Cum	2	10.00	0.15	0.50	1.50			
		RHS									
0	15		Cum	2	15.00	0.15	0.50	2.25			
15	30		Cum	2	15.00	0.15	0.50	2.25			
30	45		Cum	2	15.00	0.15	0.50	2.25			
45	60		Cum	2	15.00	0.15	0.50	2.25			
60	69		Cum	2	9.00	0.15	0.50	1.35			
		Chokkanahalli Colony									
0	15		Cum	2	15.00	0.15	0.60	2.70			
15	30		Cum	2	15.00	0.15	0.60	2.70			
30	40		Cum	2	10.00	0.15	0.60	1.80			

76.40

Assistant Executive Engineer, R.R. Nagar, Sub-division, KRIDL, BBMP, Bangalore

Contractor

RUDRAPRASAD CONSULTANTS BANGALORE PMC

Assistant Engineer

Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK: Improvements to CC Roads and Drains at Chokkanahalli Village in ward No. 05

MEASUREMENT SHEET

FIRST and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate in RS.	Amount in RS.	Remarks
0	17		Cum	2	17.00	0.15	0.60	3.06			
0	11.1		Cum	2	11.10	0.15	0.50	1.67			
0	12.3		Cum	2	12.30	0.15	0.50	1.85			
		For Culverts	Cum	1	6.00	1.50	0.23	2.07			
			Cum	1	5.00	1.20	0.23	1.38			
			Cum	1	5.10	1.20	0.23	1.41			
			Cum	1	3.70	1.50	0.23	1.28			
			Cum	1	3.70	1.50	0.23	1.28			
		Chokkanahalli SC/ST Burial Ground Road-1	Cum	1	7.20	1.80	0.23	2.98			
			Cum	1	7.20	1.80	0.23	2.98			
							Total	126.68			
							Quantity Limited To	126.64	5998.54	759655.1056	
Item No. 10		providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications.									
			Tonne								
		Vide Total executed Quantity from premeasuremet Page no. 11						8.88			
							Quantity Limited To	8.86	75223.96	666845.3606	
Item No. 11		Precast slab 20mm and down size for slab (including steel reinforcement) including centring and shutterng machine mixed concrete laid in layers not exceeding 15cms thick well compacted cost of all materials labour HOM of machineries curing complete as per specifications c.c 1:1.5:3 Including all cost of Matirial (DATA RATE ENCLOSED) 10cm thick RCC pre cast slab complete.and as per the directions of the Engineer-in-charge of the work									
Measurements taken on		24-01-2020									
		Chokkanahalli Main									
		LHS									
0	15		Sqm	1	15.00	1.20		18.00			
15	30		Sqm	1	15.00	1.20		18.00			
30	45		Sqm	1	15.00	1.20		18.00			
45	60		Sqm	1	15.00	1.20		18.00			
60	69.3		Sqm	1	9.30	1.20		11.16			
		RHS									
0	15		Sqm	1	15.00	0.75		11.25			
15	30		Sqm	1	15.00	0.75		11.25			
30	45		Sqm	1	15.00	0.75		11.25			
45	60		Sqm	1	15.00	0.75		11.25			
60	69.3		Sqm	1	9.30	0.75		6.98			
		Chokkanahalli Main									
		LHS									
0	15		Sqm	1	15.00	0.75		11.25			
15	30		Sqm	1	15.00	0.75		11.25			
30	45		Sqm	1	15.00	0.75		11.25			
45	60		Sqm	1	15.00	0.75		11.25			
60	70		Sqm	1	10.00	0.75		7.50			

187.64

RUDRAPRASAD CONSULTANTS BANGALORE PMC

Assistant Executive Engineer R.R. Nagar, Sub-division KRIDL, BBMP, Bangalore

Contractor

Assistant Engineer

Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK: Improvements to CC Roads and Drains at Chokkanahalli Village in ward No. 05

MEASUREMENT SHEET

FIRST and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate in RS.	Amount in RS.	Remarks
		RHS									
0	15		Sqm	1	15.00	0.75		11.25			
15	30		Sqm	1	15.00	0.75		11.25			
30	45		Sqm	1	15.00	0.75		11.25			
45	60		Sqm	1	15.00	0.75		11.25			
		Chokkanahalli Colony									
0	15		Sqm	1	15.00	1.20		18.00	93.00		
15	30		Sqm	1	15.00	1.20		18.00			
30	40		Sqm	1	10.00	1.20		12.00			
							Total	280.64			
							Quantity Limited To	278.10	2100.00	584010.00	
Item No. 12		Construction of embankment with approved material gravel/murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement table 300-2 complete as per specifications. (which includes cost of gravel/murrum, watering charges & compaction by vibratory roller) MORTH specification and as per the directions									
			Cum								
		Vide Total executed Quantity from premeasuremet Page no. 12-13						1106.16			
							Quantity Limited To	1089.00			
							Total	**1089.00**	**344.50**	**375160.50**	
Item No. 13		Providing, laying, spreading and compacting specified graded sand, gravel or any other course material in sub base course including premixing the material at OMC in mechanical mixer (pug mill), carriage of mixed material up to 1 km, spreading in uniform layers with motor grader on a prepared base and compacting, with power roller to achieve the desired density including all materials, labour, HOM of machinery, lighting, gurarding, barricading and maintenance of diversion complete as per specifications. and as per the directions of the Engineer-in-charge of the work									
			Cum								
		Vide Total executed Quantity from premeasuremet Page no. 14-15						1219.45			
							Quantity Limited To	1218.00			
							Total	**1218.00**	**1322.88**	**1611267.84**	
Item No. 14		Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with 3 wheeled steel / vibratory roller 8-10 tonnes in stages to proper grade and camber, applying and brooming requisite type of screening / binding Materials to fill up the interstices of coarse aggregate, watering and compacting to the required density. Material Using Scrining Crushable Type such as Moorum or Gravel and as per the directions of the Engineer-in-charge of the work									
			Cum								
		Vide Total executed Quantity from premeasuremet Page no. 16-17						571.68			
							Quantity Limited To	544.50			
							Total	**544.50**	**2323.52**	**1265156.64**	
Item No. 15		Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with 3 wheeled steel / vibratory roller 8-10 tonnes in stages to proper grade and camber, applying and brooming requisite type of screening / binding Materials to fill up the interstices of coarse aggregate, watering and compacting to the required density. Material Using Scrining Crushable Type such as Moorum or Gravel Grading and as per the directions of the Engineer-in-charge of the work									
			Cum								
		Vide Total executed Quantity from premeasuremet Page no. 18-19						381.12			
							Quantity Limited To	363.00			
							Total	**363.00**	**2461.32**	**893459.16**	

Assistant Executive Engineer, R.R. Nagar, Sub-division, KRIDL, BBMP, Bangalore

Contractor

RUDRAPRASAD CONSULTANTS BANGALORE PMC

Assistant Engineer

Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK: Improvements to CC Roads and Drains at Chokkanahalli Village in ward No. 05

MEASUREMENT SHEET

FIRST and FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate in RS.	Amount in RS.	Remarks
Item No. 16		Loading and Unloading of stone boulders by manual means complete as per specification and as per the directions of the Engineer-in-charge of the work									
Measurements taken on		24-01-2020									
			Cum	Qty. Vide Item No. 1				1915.77			
				Total				1915.77	60.42	115751.00	
									Sub Total	8455774.30	
									Add 12% GST	1014693.00	
									Add 3% KRIDL Charges	253673.00	
									Add 1% Labour Cess	84558.00	
									Total Amount	9808698.30	

24/01/2020

Assistant Executive Engineer
R.R. Nagar, Sub-division,
KRIDL, BBMP, Bangalore

RUDRAPRASAD CONSULTANTS BANGALORE

Contractor PMC Assistant Engineer Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK: Improvements to CC Roads and Drains at Chokkanahalli Village in ward No. 05

PRE MEASUREMENT SHEET

FIRST and FINAL BILL

STEEL CALCULATION

Sl NO	Description	Nos	BAR DIA	No. Bars	Total No. bars	Length	Total Length	Weight	Total weight
			mm			m	m	kg/m	Kg's
	Main Bars (#10@120 c/c)	1	10	143	143	2.40	342.40	0.61653756	211.10
	Distribution(10-#8)	1	8	10	10	17.00	170.00	0.39458404	67.08
	Chokkanahalli Colony Road								
	Main Bars (#10@120 c/c)	1	10	94	94	2.05	191.68	0.61653756	118.17
	Distribution(10-#8)	1	8	10	10	11.10	111.00	0.39458404	43.80
	Chokkanahalli Colony Road								
	Main Bars (#10@120 c/c)	1	10	104	104	2.05	212.18	0.61653756	130.81
	Distribution(10-#8)	1	8	10	10	12.30	123.00	0.39458404	48.53
	For Culvert Slab								
	16# @120 c/c main bars	1	16	51	51	1.50	76.50	1.57833615	120.74
	16# @120 c/c Distrubution bars	1	16	14	14	6.00	81.00	1.57833615	127.85
	16# @120 c/c main bars	1	16	43	43	1.20	51.20	1.57833615	80.81
	16# @120 c/c Distrubution bars	1	16	11	11	5.00	55.00	1.57833615	86.81
	16# @120 c/c main bars	1	16	44	44	1.20	52.20	1.57833615	82.39
	16# @120 c/c Distrubution bars	1	16	11	11	5.10	56.10	1.57833615	88.54
	Chokkanahalli SC/ST Burial Ground Road-1								
	16# @120 c/c main bars	1	16	32	32	1.50	47.75	1.57833615	75.37
	16# @120 c/c Distrubution bars	1	16	14	14	3.70	49.95	1.57833615	78.84
	Chokkanahalli SC/ST Burial Ground Road-1								
	16# @120 c/c main bars	1	16	32	32	1.50	47.75	1.57833615	75.37
	16# @120 c/c Distrubution bars	1	16	14	14	3.70	49.95	1.57833615	78.84
								TOTAL QTY IN KG'S	**8877.62**
								TOTAL QTY IN TONNE	**8.88**

RUDRAPRASAD CONSULTANTS BANGALORE

Assistant Executive Engineer, R.R. Nagar, Sub-division, KRIDL, BBMP, Bangalore
Contractor

PMC

Assistant Engineer

Assistant Executive Engineer